

Automated Surface Observing System (ASOS) Next Generation Runway Visual Range (NGRVR) Information**GENERAL:**

This maintenance note provides information about the NGRVR. The Federal Aviation Administration is connecting the NGRVR interface computer to the ASOS by connecting an external cable to J42, located on the acquisition control unit input/output (I/O) panel 1A9. Sixty-eight sites, identified in attachment A, will be configured as RVR on serial I/O (SIO) board 1 (RS-422) port 3. The National Weather Service Headquarters (WSH) checks and configures each site not currently configured for RVR. ASOS technicians need not take any action or responsibility for configuring the RVR for these 68 ASOS sites.

This revision addresses the following changes:

1. In attachment A, the replacement of Site Identification Code ATT with AUS and Mueller Municipal Airport with Austin/Bergstrom Airport
2. The correction of a wiring error in the SIO cable harness on Acquisition Control Units (ACU) with serial numbers less than 289 and a correction to the ASN to the RS-422 cable adapter.

PROCEDURE:

NOTE: The following cable installation should be verified before completing the NGRVR connection procedures specified in this maintenance note:

ACUs with serial numbers less than 289 must have an RS-422 cable adapter (ASN: S100-1A9W77; NSN: 5995-01-446-9779) installed on the inside of the J42 connector. This cable adapter corrects a wiring error in the SIO cable harness on ACUs with serial numbers less than 289. Connect P18 of the cable harness to J42 or to the cable adapter, as appropriate.

Refer to *Site Technical Manual* Table 2.4.2 Port Assignments for SIOs 1 Through 3" for additional information.

Instructions for NWS Headquarters personnel on how to connect NGRVR cables:

1. Log on to the ASOS site to enable the RVR. Refer to attachment A for site ID codes.
2. From the 1 minute page, key **REVIEW-SITE-CONFIG-COMMS**.
3. Configure SIO board 1 port 3 as RVR.

4. Set the following parameters: **ENABLE, 2400, EVEN, 7, 1, NONE, HARDWIRE.**
5. Remove any other SIO ports configured for RVR.
6. Log off.

EFFECT ON OTHER INSTRUCTIONS:

Supersedes Maintenance Note 49 original release.

REPORT MAINTENANCE ACTION:

None.

Mark S. Paese
Director, Maintenance, Logistics, and Acquisition Division

Attachment A - Site Identification List

Attachment A
Site Identification List

Attachment A

NWS RGN	SID	AIRPORT	CITY
Alaskan	ANC	ANCHORAGE INTERNATIONAL AIRPORT	ANCHORAGE
Alaskan	BRW	POST ROGERS MEMORIAL AIRPORT	BARROW
Alaskan	FAI	FAIRBANKS INTERNATIONAL AIRPORT	FAIRBANKS
Alaskan	OME	NOME AIRPORT	NOME
Alaskan	OTZ	WIEN MEMORIAL AIRPORT	KOTZEBUE
Alaskan	SCC	DEADHORSE AIRPORT	DEADHORSE
Alaskan	YAK	YAKUTAT AIRPORT	YAKUTAT
Central	DEN	DENVER INTERNATIONAL AIRPORT	DENVER
Central	DLH	DULUTH INTERNATIONAL AIRPORT	DULUTH
Central	DSM	DES MOINES INTERNATIONAL AIRPORT	DES MOINES
Central	DTW	DETROIT METROPOLITAN WAYNE COUNTY AIRPORT	DETROIT
Central	ICT	WICHITA MID-CONTINENT AIRPORT	WICHITA
Central	IND	INDIANAPOLIS INTERNATIONAL AIRPORT	INDIANAPOLIS
Central	LAN	CAPITAL CITY AIRPORT	LANSING
Central	MCI	KANSAS CITY INTERNATIONAL AIRPORT	KANSAS CITY
Central	MKE	GENERAL MITCHELL INTERNATIONAL AIRPORT	MILWAUKEE
Central	MLI	QUAD-CITY AIRPORT	MOLINE
Central	MSP	MINNEAPOLIS-ST PAUL INTERNATIONAL AIRPORT	MINNEAPOLIS
Central	ORD	CHICAGO-O'HARE INTERNATIONAL AIRPORT	CHICAGO
Central	PIA	GREATER PEORIA REGIONAL AIRPORT	PEORIA
Central	RFD	GREATER ROCKFORD AIRPORT	ROCKFORD
Central	SDF	STANDIFORD FIELD	LOUISVILLE
Central	STL	LAMBERT-ST LOUIS INTERNATIONAL AIRPORT	ST LOUIS
Eastern	AGS	BUSH FIELD	AUGSTA
Eastern	ALB	ALBANY COUNTY AIRPORT	ALBANY
Eastern	BDL	BRADLEY INTERNATIONAL AIRPORT	WINDSOR LOCKS
Eastern	BOS	LOGAN INTERNATIONAL AIRPORT	BOSTON
Eastern	BUF	GREATER BUFFALO INTERNATIONAL AIRPORT	BUFFALO
Eastern	BWI	BALTIMORE-WASHINGTON INTERNATIONAL AIRPORT	BALTIMORE
Eastern	CAE	COLUMBIA METROPOLITAN AIRPORT	COLUMBIA
Eastern	CAK	AKRON-CANTON REGIONAL AIRPORT	AKRON
Eastern	CLE	CLEVELAND-HOPKINS INTERNATIONAL AIRPORT	CLEVELAND
Eastern	CLT	CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT	CHARLOTTE
Eastern	CRW	YEAGER AIRPORT	CHARLESTON
Eastern	CVG	CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL	COVINGTON/CINCINNA
Eastern	DAY	COX DAYTON INTERNATIONAL AIRPORT	DAYTON
Eastern	DCA	WASHINGTON NATIONAL AIRPORT	WASHINGTON DC
Eastern	EWR	NEWARK INTERNATIONAL AIRPORT	NEWARK
Eastern	IAD	WASHINGTON DULLES INTERNATIONAL AIRPORT	WASHINGTON DC
Eastern	JFK	KENNEDY INTERNATIONAL AIRPORT	NEW YORK
Eastern	PHL	PHILADELPHIA INTERNATIONAL AIRPORT	PHILADELPHIA
Eastern	PIT	PITTSBURGH INTERNATIONAL AIRPORT	PITTSBURGH
Eastern	PVD	GREEN STATE AIRPORT	PROVIDENCE
Eastern	RDU	RALEIGH-DURHAM INTERNATIONAL AIRPORT	RALEIGH/DURHAM
Southern	ABI	ABILENE REGIONAL AIRPORT	ABILENE

EHB-11
Issuance 02-09
12/20/02

NWS RGN	SID	AIRPORT	CITY
Southern	ATL	HARTSFIELD ATLANTA INTERNATIONAL AIRPORT	ATLANTA
Southern	AUS	AUSTIN/BERGSTROM AIRPORT	AUSTIN
Southern	BNA	NASHVILLE INTERNATIONAL AIRPORT	NASHVILLE
Southern	CRP	CORPUS CHRISTI INTERNATIONAL AIRPORT	CORPUS CHRISTI
Southern	DAL	DALLAS LOVE FIELD	DALLAS
Southern	DFW	DALLAS/FORT WORTH INTERNATIONAL AIRPORT	DALLAS/FORT WORTH
Southern	JAX	JACKSONVILLE INTERNATIONAL AIRPORT	JACKSONVILLE
Southern	MCO	ORLANDO INTERNATIONAL AIRPORT	ORLANDO
Southern	MIA	MIAMI INTERNATIONAL AIRPORT	MIAMI
Southern	OKC	WILL ROGERS WORLD AIRPORT	OKLAHOMA CITY
Southern	SAT	SAN ANTONIO INTERNATIONAL AIRPORT	SAN ANTONIO
Southern	TPA	TAMPA INTERNATIONAL AIRPORT	TAMPA
Western	BIL	BILLINGS LOGAN INTERNATIONAL AIRPORT	BILLINGS
Western	EUG	MAHLON SWEET FIELD	EUGENE
Western	GEG	SPOKANE INTERNATIONAL AIRPORT	SPOKANE
Western	LAX	LOS ANGELES INTERNATIONAL AIRPORT	LOS ANGELES
Western	LMT	KLAMATH FALLS INTERNATIONAL AIRPORT	KLAMATH FALLS
Western	PDX	PORTLAND INTERNATIONAL AIRPORT	PORTLAND
Western	PHX	PHOENIX SKY HARBOR INTERNATIONAL AIRPORT	PHOENIX
Western	SBA	SANTA BARBARA MUNICIPAL AIRPORT	SANTA BARBARA
Western	SEA	SEATTLE-TACOMA INTERNATIONAL AIRPORT	SEATTLE
Western	SFO	SAN FRANCISCO INTERNATIONAL AIRPORT	SAN FRANCISCO
Western	SLC	SALT LAKE CITY INTERNATIONAL AIRPORT	SALT LAKE CITY